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## Texas

7416 ~~Gaura~~ Stenosiphon linifolius (Nutt.) Heynh.
Texas, Rte 66, 18 mi. E of Groom
Breaks, eastern panhandle.
Fls. white, perennial
Det. G. Nesom Sept 12, 1974

## New Mexico

7417 ~~Nerisyrenia~~
! ~~Nerys~~ Nerisyrenia camporum (Gray) Greene
Fls. white - fading lavender, perennial;
⑥ Larrea desert, 4 miles north
of Tularosa, N. Mex. Otero Co.
Sept 13, 1974

7418 Nerisyrenia ~~gracilis~~ linearifolia (Wats.) Greene
Fls. white, leaves linear, entire, perennial
⑥ White Sands near White Sands Nat'l
Monument, Otero Co., New Mex.
Sept. 13, 74

Note: N. camporum was mainly on non-gypseous areas but came sparingly into the same site where N. ~~gracilis~~ linearifolia was more abundant. It appears N. linearifolia is the gypsum adapted species.

# Mexico

7419 (Ornithocarpa torulosa)
sterile material only.
In dense growth of a wet meadow
Leaves fleshy from a corm-like
base. 5 miles east of El Salto,
2 miles west of Coyote, Mex.
route 40, Durango, Mexico.
Sept. 20, 1974
N.B. - limestone all around - flat
rocks like cedar glade areas of Tenn.

(3)

This turns out to be umbel

7420 Eryngium **lemmonii C. & R.**
annual, rays white, center purple,
meadow-like area - as 7419
**Det. Lincoln Constance**

(11)

7421 Eryngium **sparganophyllum Hemsl.**
perennial, wet meadow over
limestone - as 7419
odor of licorice - bracts purplish
**Det. Lincoln Constance**

(4)

7422 Eryngium **phyteumae Delar. f.**
perennial, bracts green below,
whitish above
odor of licorice - as 7419
**Det. Lincoln Constance**

(4)

Mexico

7423 Pennellia longifolia (Benth.) Roll.
Fls. magenta including sepals, pendulous
hanging in a single row, siliques
falcate, pendulous, probably perennial,
lower leaves and basal leaves missing,
deep soil of limestone origin, steep
hillside with large rocks and sparse
stand of pine. ca. 8,000 ft.
Mex highway 40, 5.3 miles west of
sign for Los Mimbres, 26 mi East of
El Salto, Durango - Sept. 21, 1974

Fixed

n=8
2n=16

(13)

7424 stevia rosei B. L. Robinson
~~[illegible]~~
perennial, deeper soil over limestone,
flat rock exposures, wet when rainy,
glade-like flat area - open stand of
pines, about 3 miles east of El Salto,
Mex. Hwy 40, alt. 8,200 ft.
Sept. 21, 1974

7425 Drymaria effusa var. confusa
~~Arenaria~~ (Rose) La Duke
Fls. white, edges and on flat
rocks. As above
Det. B. Turner

(7)

7426 Castilleja
Bracts orange to reddish-
③ orange. As no. 7424

7427 Ranunculus macranthus Scheele
Deeper soil over flat rocks.
② Otherwise as no. 7424
det. G. Nesom
7428 Calochortus venustulus E. Greene
~~Iridaceae~~
Petals and Sepals yellow.
④ Same as no. 7424. det G. Nesom

7429 Sedum fuscum Hemsley
Fls. faintly pink. Edge and
④ on flat rocks. Often in det. G.
water. Same as no 7424 Nesom
Phaseolus pauciflorus G. Don.
7430 ~~Scutellaria~~? or Legume
Fls. purple, ~~F~~ mostly paired
③ Same as no. 7424
det. B. Turner
7431 Comp.
Rays white, center yellow.
Annual. Abundant. Same
⑤ as no. 7424, but not confined
to flat rock exposures. ~~8~~

7432 Pedicularis mexicana Zucc.
Fls. magenta, meadow, under sparse stand of pines. 5.5 mi.
⑥ E of El Salto, 2 fields E of Hacienda Coyotes on same side of Rte 40. 2 mi. W. of El Coyotes. Durango Co. Sept 21, 1974
Mexico Det G. Nesom

7433 Calochortus venustulus E. Greene
Petals white with orange center
⑥ Deep Soil. [illegible] Bulb ovoid.
Same as no. 7432. Det G. Nesom

7434 Orchid
Fls & bracts bright. orange
① Same as no. 7432

7435 ~~Orchid~~ Lobelia irasuensis Planch. & Oerst.
var. picta (Robin. & Seat.) McVaugh
Deep purple flowers.
Same as no. 7432
⑥

Taushia madrensis C.&R.
7436 Umbell~~ifera~~,
Same as no. 7432
⑥ Basal lvs 7419 are this.
Det. Lincoln Constance

7437 Valerianella
Perennial. deeper soil over
⑤ limestone, flat rock exposures
Same location as 7432,

Rollins
7438 Parthenium bipinnatifidum (Ortega)
Roadside west of Francisco
Madero on Mex. Hwy. 40.
⑤ Durango
Sept 22, 1974

N. linearifolia (Wats.) Greene
var. mexicana Bacon
7439 ~~[illegible]~~ Nerisyrenia ~~Camporum~~
Leaves entire to shallowly
dentate. Fl. white fading to
lavendar. Steep hillside
⑥ Minerite above Velardeña,
Durango.
Sept 22, 1974

n = 9

7440 Bouvardia ternifolia (Cav.) Schlecht. ~~Polemoniaceae~~

Steep hillside, ~~Shrub~~ Shrub up to 3 feet, above La Mina San Jose, [illegible] 8 Km. ~~of~~ NE of Estacion Otto. Alt: Coahuila. Sept 23. 1974

Det G. Nesom

③

7441 Machaonia pringlei A. Gray

Shrub, up to 4 ft., fls. white As 7440. Det G. Nesom

⑤

7442 Coldenia ?

Intricately branched shrub, up to 1 ft. high, fls. white As 7440

⑦

7443 Lesquerella fendleri

Only plant seen. As 7440

①

7444 Orchid

Fls. green. Same as 7440

①

7445 Parthenium argentatum Gray
Shrub up to 3 ft. high,
mixed with Mariola. No
evidence of hybridization.
As 7440.

③

7446 Parthenium incanum H.B.K
Abundant shrub up to 4 ft.
high. As 7440.

④

7447 Sericodes greggii Gray
Grey intricately branched shrub up
to 2.5 ft. high, barren desert,
25 miles north of San Pedro on
road to Cuatro Cienegas, Coahuila
Sept. 24, 1974
Fls. lemon yellow to bright yellow

Seed
+
FAA

⑧

7448 ~~Synthlipsis~~ Nerisyrenia

Flo. white, plants remarkably hemispherical lvs. mostly entire but some with a tooth or two - fruits tending to be distorted as well as older buds, roadside, 40 miles north of San Pedro on road to Cuatro Cienegas, Coahuila

fixed 2 vials one with smaller buds on fewer plants

Sept. 24, 1974

③ | Two species involved - 7448a = N. incana X ?
③ 7448b = N. castillonii X ?

n = 10

7449 Eustoma exaltatum (L.) G. Don

Petals rotate, mauve. Trail near spring above Los Delicias. Las
Wet seepage,

③ Coahuila

Det G. Nesom Sept 24, 1974

7450 Echinopterys setosa Brandeg. - ~~Cuphea~~

Fls. yellow. Shrub up to 8 ft. high. Base of cliffs above

④ spring at Las Delicias, Coah.

Det G. Nesom Sept 24, 1974

7451

Low branched shrub, fls. pink,
lvs. fleshy
low rocky hill; 1 mile southwest of
④ Parras, Coahuila.
Sept. 25, 1974

7452 **Ruellia parryi A. Gray**
woody at base, fls. purplish;
as 7451 · **det G. Nesom**
②

7453

Low, often sprangly shrub,
⑦ fls. greenish white,
as 7451

7454 Eruca
~~Wash~~ Arroyo near
Parras, Coah.

② Sept 26, 1974

7455 Eruca
Field about 6 miles SE of
Parras, Coah.
(3)
Sept. 26, 1974

7456 Composite **Zinnia acerosa Gray**
Rays white, center yellow.
Deep rooted perennial.
(3) Gypsum knoll. 10 miles SE
of Parras.
Sept 26, 1974

7457 Hedyotis rubra (Cav.) A. Gray
Fls. pink. As 7456. Det G. Nesom
(4)

7458 ~~[illegible]~~ Oenothera
Fls. yellow. In ~~rocky~~ gravelly
gypsum area. As 7456.
(6)

Calylophus hartwegii (Benth.) Raven
subsp. maccartii (Shinners) Towner

7459 Synthlipsis greggii Gray
Siliques wavy margined. Fls.
Fixed white. Protected by thorny
bushes. Gypsum area,
② 10 mi. SE of Parras, Coah.
n=10 Perennial. Sept 26, 1974

7460 Galairdia comosa Gray
Rays orange-red. Same as
③ 7459.

7461 Lesquerella fendleri
Growing in interior of
② thorny bush. Fls. yellow.
Same as 7459

7462 Composite Dyssodea setifolia (Lag.) B.L. Robs.
Rayless, foliage gray. Low
and sub-shrubby. Abundant.
⑤ Same as 7459.

!

7463 Nerisyrenia camporum (Gray) Gree
Rocky hillside and sandy
Typed area below. Along Mex. Hwy
40.58 miles W of Saltillo, on
road between Torreon & Saltillo.
④ Fls. white, drying Sept. 27, 1974
lavender.
n = 16±

7464 Menodora scabra Engelm. ex Gray
Fls. yellow, sub-shrub. Same
as 7463. Det. B. Turner
⑧

7465 Mentzelia hispida Willd.
Fls. orange. Intricately
branched bush ca. 1 ft. high
④ near Microwave Tower, Est.
Vega, 11 m. w. of Salillo, Coah.
Steep hillside. Det G. Nesom
Sept. 27, 1974

7466 Lesquerella argyraea
Rocky hillside near Microwave
Tower. As 7465
③

7467 Menodora coulteri A. Gray var
~~[illegible]~~ coulteri
Sub-Shrub up to 1 ft. high
④ Rocky hillside near micro-
wave tower. As 7465
Det B. Turner

7468 Orchid.
Fls. dull orange. As 7465
①

7469 Echeandia sp.
Fls. orange. As 7465
④ Det G. Nesom

7470 Asphodelus fistulosus L.
Rocky limestone area,
weedy, 1 mi. E of San
Antonio, SE Coahuila.
~~Fls. [illegible]~~
⑥ Clumps up to 6" across.
Buds pink. Petals white
with a prominent reddish
stripe.
Det G. Nesom Sept. 28, 1974

7471 Lepidium virginicum L. var. virginicum
Perennial. Petals absent.
⑧ Weedy limestone area. Same
as 7470

7472 Lesquerella [mirandiana] wyndii Rollins & Shaw
Clay-like soil at foot of bank.
Roadside 7.5 mi. E of San
① Antonio, Coahuila.
Sept 28, 1974

~~7473~~

7473 Brassica
Roadside weed. Same as
③ 7472.

747~~3~~4 Descurainia impatiens (Cham. & Schlecht.) O.E. Schulz
Same as 7473 except 8.5 mi.
E of San Antonio. Up to 3 ft.
high
④

Camelina

7475 ~~Neslia paniculata~~
Intricately branched
weed, up to 3 ft. high
(2) Roadside Same as 7474.

7476 Conringia orientale
Fls. ~~whitish. Same~~ off-white.
(2) Same as 7474

(Sch-Bip) Ballard
7477 Comp. **Bidens alba var. radiata**
Rays white, center yellow
Near summit at Las Cumbres
(5) Pass, 12 mi. E of San Antonio.
By roadside. Coahuila
Sept 28, 1974
**det. B. L. Turner**

virginicum L. var. pubescens
7478 Lepidium ~~[illegible]~~
Hemispherical Clump. Petals
white. Same as 7477.

7479 Pennellia longifolia (Benth.) Roll.
Divaricately branched. Siliques
⑦ pendant. Up to 4 ft. high.
Same as 7477.

7480 Malaxis soulei L.O. Wms.
In deep duff under scrub oak
on steep hillside. Same as
③ 7477. Det C. Todzia

7481 Descurainia impatiens (C.&S.) Schulz
Up to 6 ft. tall. Fls. yellow
③ Same as ~~7481~~. 7477.

7482 Lesquerella argyraea subsp.
diffusa
Along roadside 1 mi. SSE
of La Mesa. Spreading flat
② on the ground. fls orange
yellow. Perennial. ~~Same~~
Limestone Chip of road edge
Sept 28, 1974
Coahuila

7483 Lesquerella ~~fendleri~~ schaffneri S. Watson
Typed Gravelly open plain. Fls.
Yellow. Branched above
① main stalk. 23 mi. ~~from~~ west of
Saltillo, Coahuila
Sept 28, 1974

7484 Lesquerella argyraea
Plants mostly erect. Fls.
① Yellow. As 7483

7485 Parthenium bipinnatifidum (Ortega) Rollins
Annual. Intricately branched
⑤ Abundant along roadside
in same vicinity as P. ~~confertum~~
Confertum. As 7483

7486 Parthenium Confertum Gray
Biennial. Abundant along
roadside. As 7483
④
var. lyratum (Gray) Rollins

7487 Lesquerella argyraea
Fls. yellow with orange streaks
toward center. Hard calcareous
③ gravel along roadside, 3 mi.
S of Saltillo, Coahuila
Sept 29, 1974

7488 Synthlipsis greggii Gray
Fls. white turning lavender.
Same habitat as 7487 only
④ looser gravel. Sept 29, 1974

7489 Cibotarium macropetalum Rollins
Sprawly perennial, fls. white.
Fixed Steep hillside, limestone
1st pass south of
rock crevices, Carneros Pass,
⑨ 29 ~~m~~ miles S. of Saltillo, Main Hwy 54
n=8 Coahuila Sept 29, 1974

7490 Cibotarium stellatum (Wats.) Schulz
Petals minute or absent. Same
Fixed as 7489. Rare.
③
n=8

7491 Acta schaffneri (Wats.) Schulz
var. pringlei (Schulz) Roll
Sparingly branching perennial.
Fixed Fairly abundant. Same as
7489
⑩

linearifolia (Wats.) Greene
var. mexicana
Bacon
7492 Nerisyrenia ~~castillonii~~
Abundant, open desert,
Fixed Clay-like soil. Fl. white,
drying lavender. Roadside
⑨ 36 mi. S. of Saltillo, Coahuila
Sept 29, 1974
n=16

(Ortega) Rollins
7493 Parthenium bipinnatifidum
Roadside in vicinity of
③ P. confertum, which is more
abundant. As no. ~~7~~ 7492

Milla biflora Cav.
7494 ~~Iridaceae~~
Plants up to 2 ft. tall,
tepals white above with a
⑤ ~~gr~~ broad greenish stripe
below. Sandy soil. 16 Miles
Southwest of Zacatecas,
Zacatecas Sept 30, 1974
det G. Nesom

Allium Kunthii G. Don
7495 ~~Iridaceae~~
Inflorescence umbellate.
~~Anthers~~ Anthers purple, tepals
⑥ whitish. Same as 7494. Det G. Nesom

Tagetes erecta L.
7496 ~~Zinnia~~
Annual, ~~rays~~ rays orange
with deeper orange guidelines
⑦ Steep hillside, granitic soil.
Same as 7494
Det. B. L. Turner

Echinopepon floribundus
7497 ~~Cucurbit~~ (Cogn.) Rose
Scrambling vine, steep hill-
side. Fls. lemon yellow,
⑦ ~~fading~~ turning whitish.
Same as 7494. Det G. Nesom

Montanoa leucantha (Lag.) Blake
7498 Composite
Rays white, center yellow.
Shrub up to 10 ft. high.
Same as 7494
Det B. L. Turner

7499 ~~Ptelea~~ Dodonaea viscosa (L.) Jacq.
Shrub to small tree, Steep
⑦ hillside. Fruits with 2-4
wings. Same as 7494
Det G. Nesom

74100 Halimolobus ~~diffusus~~ basiloba.
Growing in rock crevice
① Only plants found. Heavily
grazed area 25 mi. from
of a road toward Penas ~~[illegible]~~ off Mex Hwy.
45, Zacatecas
Oct 1, 1974

74101 Gilia stewartii I. M. Johnston
Fls. magenta. Clay-like Soil,
near road, 1 mi. S. of
③ Villa Gonzales Ortega, 30
mi. from road toward Penas
off Mex. Hwy. 45, Zacatecas
Det G. Nesom Oct 1, 1974

74102 Bouvardia ternifolia (Cav.) Schlecht.
Fls. scarlet red, small
⑤ shrub, open desert. As
74101 Det G. Nesom

(Ortega) Rollins

74103 Parthenium bipinnatifidum ^
Abundant near RR ~~a~~ track.
at La Honda, on road to Pinos
(5) 66 miles from jct. with Mex
Hwy 45 ~~a~~ and turnoff to
Pinos. Extreme southeastern Zacatecas.
Oct 1, 1974

74104 Lepidium virginicum L. s.l.
(10) Widely branching, shelter of
Cactus clumps. Ca 74103

74105 Cleomella perennis Iltis
~~Wislizenia~~
Clumps up to 1 ft. in
diameter. Deep rooted
(8) perennial. Open gypsum
flat. Abundant. Between
La Honda and ~~El Refugio~~
Villa Hidalgo. Oct 1, 1974
southeastern Zacatecas

74106 Lesquerella argyraea
Typed Prostrate perennial, fls.
yellow. Gypsum hill. 1 mi.
③ SW of Pinos, Zacatecas
Oct 1, 1974

Stachys Coccinea Jacq.
74107 ~~Mint~~
Fls. salmon colored. Below
⑦ Cap rock, 13 miles ~~N E~~
NE of Jalisco-Aguascalientes
state line. Det G. Nesom
Oct 1, 1974

74108 Eryngium heterophyllum Engelm.
Rays ~~wh~~ greenish white
above and greenish below,
Center metallic colored
⑦ ~~E~~ Pasture, 13 miles NE of
Jalisco-Aguascalientes
state line.
Oct 1, 1974

Det. Lincoln Constance

74109 [Mirabilis] oblongifolia (Gray) Heimerl.
Fixed Fls. deep magenta, growing in the protection of spiney bushes. Near Mex. Hwy 70, 2 mi. N
⑥ of Aguascalientes. Ags.
Oct. 2, 1974

74110 ~~[illegible]~~ Heliotropium
Fls. white, lemon yellow center. Caespitose on rocky
⑥ hillside. Near Mex Hwy 70, 7 mi. S. of Aguascalientes,
Oct 2, 1974
Aguascalientes

74111 Stevia ovata Kunth var ovata
~~Composite~~
Perennial up to 3 ft. high. Rays white. Near microwave
⑤ tower Los Gallos, 18.3 mi. SE of Aguascalientes, off Mex Hwy. 45, Aguascalientes
Oct 3, 1974
near Aguascalientes - Jalisco state line. Det B. Turner

Stevia serrata Cav.
74112 Composite
Rays white, inflouescence dense,
(5) perennial. Same as 74111
Det. B.L. Turner

Stevia salicifolia Cav.
74113 ~~Composite~~
Bush up to 2 ft. high, Same
(5) as 74111. Rays white Det
B. Turner

Palafoxia texana DC.
74114 Composite
Rays white. Herbaceous
(2) perennial. Same as 74111
Det B.L. Turner

74115 Cuphea lanceolata Ait
Glandular, purple flowered
(7) Annual. Same as 74111,
Det G. Nesom

74116
Fls. scarlet, sub-shrubby,
Same as 74111.
(7)

var. pubescens (Greene) Thell.
74117 Lepidium virginicum L.
Roadside. Same as 74111
③

Chamaecrista glandulosa L.
var. paralensis Irwin + Barneby
74118 Legume
~~Pod~~ Caespitose. Pods erect.
Same as 74111

74119 Mint/ Salvia axillaris
var. potosina B. L. Turner
det. by B. L. Turner
Small ravine, hanging from
bank. Fla. pale, lavender.
~~[illegible]~~ mi. W ~~S~~ of Guanajuato
⑤ on road from Guanajuato
to shrine ~~Ele~~ Cristo Rey.
Oct 4, 1974
Guanajuato

Stevia viscida HBK
74120 Composite
Rays purple, single stemmed
⑥ perennial. Same as 74119
det. B. L. Turner

Stevia elatior HBK
74121
pale lavender to
Rays nearly white. Inflorescence
widely paniculate. Same
④ as 74119

det B. L. Turner

74122 Lepidium virginicum L.
Limestone area, near cacti and bushes, 4 miles east of Dolores Hidalgo, Guanajuato, Oct. 5, 1974

[illegible] (6)

74123 Lesq. schaffneri
Fls. bright yellow, petals spreading. Perennial. Stems decumbent except in small bushes. 10 mi. west of ~~[illegible]~~ San Lorenzo. Limestone cliff. S.L.P.
Oct 6, 1974

74124 Lesq. var. argyraea
Prostrate perennial. Fls. yellow, ageing purplish. Limestone cliffs, 33 mi. N. of San Luis Potosí, Mex Hwy. 49. toward Charcas. S.L.P
Oct 6, 1974

Fixed

(4)

74125 Lesq. argyraea
Prostrate perennial. fls. yellow.
Fixed petals widely spreading.
Limestone chips, Along Mex. Hwy
(3) 49 between San Luis Potosí
and Zacatecas, S.L.P.
36 mi W of S.L.P. Oct. 7, 1974

Gibasis karwinskiana (Schultes f)
74126 ~~Tradescantia~~ Rohw.
Perennial, fls. pinkish-lavender.
In the protection of bushes
and on steep hillside.
40 ~~47~~ miles ~~from~~ W of San Luis Potosí
along Mex Hwy 49 between
(3) San Luis Potosi and Zacatecas
S.L.P Det G. Nesom
Oct 7, 1974

Halimolobos minutiflora
~~Cibotarium auriculata n. sp.~~
74127 ~~Halimolobos minutiflora~~
Petals minute, white, leaves
Fixed mostly auriculate, rocky
roadside. 49 mi. W of
(14) SLP along Mex Hwy 49
between San Luis Potosí and
Zacatecas. S.L.P.
Oct 7, 1974

74128 Lepidium virginicum L. var. pubescens (Greene) Thell.
④ Same as 74127.

74129 ~~Halimolobus~~ ~~Cibolasium auriculatum n.sp.~~ Halimolobos minutiflora
Siliques diverging at right
① angles. Petals minute, white
[redacted] Just inside Zacatecas state
line, 62 miles W. of City of
San Luis Potosí along Mex
Hwy. 49. Zacatecas. Limestone
Chip Oct 7, 1974

74130 Irid. Sisyrinchium arizonicum Rothr.
Tepals yellow. One to several
① flowers per individual.
Same as 74129 Det. Guy Nesom

74131 Mirabilis oblongifolia (Gray) Heimerl.
Typed Fls. bright magenta.
Erect perennial. Among
rocks. 7 mi. E. of Nieves
on road to Ert. Camacho,
⑥ at K.12. Very brittle.
Zacatecas Oct 8, 1974

Boerhavia gracillima Heimerl.

74132 [Mirabilis]
Fls. deep red. ~~Spra~~ Sprawling
⑦ over rocks, very widely branched.
Same as 7413 1

74133 Synthlipsis greggii Gray.
Fls. pale lavender. Perennial,
Fixed in gravel. Sepals and petals
widely spreading. 8 mi. E. of
Nieves on road to Est. Camacho.
⑪ Zacatecas
Oct 8, 1974

Allionia incarnata L.
74134 [Mirabilis]
Sprawling perennial. Fls.
Fixed magenta. Same as 74133.
Sticky.
(5+1) — also Boerhavia anisophylla Torr. (74134a)

74135 Mascagnia cana Small
Gray shrub, up to 3 ft. high,
intricately branched. Bracts
⑥ of fruit dark red. 93.6 mi
NE of Nieves on road to
Est. Camacho. Zacatecas.
Det Guy Nesom Oct 8, 1974

74136 Lycium berlandieri var parviflorum (Gray) Terrac.
Small tree, intricately branched above. Ultimate branches drooping. Fruits bright orange, oblong. 96.6 mi. NE of Nieves on road to Est. Camacho. Zacatecas
⑧
Det. Guy Nesom Oct. 8, 1974

74137 Sibotarium macropetalum Rollins
Strong perennial, anthers purple, petals spatulate Siliques not notched. ~~Rocky~~ Clays rock. highly mineralized; hillside. 9.6 mi. W of Concepcion del Oro. Zacatecas
Fixed
n = 8
Oct 8, 1974

74138 Nerisyrenia camporum (Gray) Greene
⑤
Fls. white, fading lavender, Perennial. Light colored soils, on the road to Microwave Sta. Mariposas, 24 mi. E of Saltillo on Mex Hwy. 40 between Saltillo and Monterrey. Nuevo Leon
Fixed
Oct 9. 1974
n = 18

74139 Mirabilis oblongifolia (Gray) Heimerl.
Fls. deep magenta. As 74138
⑥

Allionia incarnata L.
74140 [Mirabilis]
Perennial, prostrate. Fls.
② deep magenta. As 74138
Growing near 74141

74141 [Mirabilis] Allionia choisyi Standl.
Prostrate perennial, fls.
④ lavender. Growing in
vicinity of 74140. As 74138

74142 ~~Conv~~ Evolvulus alsinoides L.
⑦ Fls. blue. Prostrate perennial.
As 74138 Det Guy Nesom

74143 Portulaca pilosa L.
③ Fls. magenta. Prostrate plants.
As 74138 Det Guy Nesom

74144 Comp. Stevia serrata Cav.
Fls. pale lavender. Plants up
to 3 ft. high. As 74138.
⑤

det B. L. Turner

74145 Hibiscus coulteri Harv. ~~Ex~~ ex Gray
~~Mallow Sida~~
det. Guy Nesom
Fls. pale yellow edged with
(6) maroon on undersurface.
Small sub-shrub. As 74138

Acleisanthus longiflora A. Gray
74146 ~~Cosa~~
Tube purple-red, bell whitish
(6) with purplish-red stripe
below. Shrubby at base,
forming mats. As 74138
det guy nesom

74147 Kallostroemia parviflora Nort.
Prostrate annual. Fls. pale
(6) orange. As 74138. det guy nesom

74148 Oxalis drummondii A. Gray
Fls. magenta, stems & leaves
several from a bulb with
(6) transparent root-like projections
below. As 74138. det guy nesom

Hunnemannia fumariifolia Sweet.
~~Eschscholtzia mexicana Greene~~
74149 P ~~Papaveraceae~~
det Guy Nesom
Fls. bright yellow bushy,
(7) gravel of dry stream bed.
Mex Hwy 40, 30 mi. E of
Saltillo on road to Monterrey
Nuevo Leon. Oct 9, 1974

74150 ~~Fl~~ Echeandia sp.
Fls. butter yellow, ± bell-shaped
(6) Mex Hwy 40, 17 km. W. of
Monterrey, Nuevo Leon
Limey gravel. Det guy nesom Oct 9, 1974

74151 Heliotropium
Fls. white with yellow centers.
(5) Various sized clumps from
2-10 in. across. As 74150,

74152 ~~Eriophyllum~~ Dyssodia micropoides (DC.) Loes.
Rays bright yellow. Same
as 74150

Det. John L. Strother
Boerhavia anisophylla Torr.
74153 [Mirabilis]
~~Fl~~ Stems decumbent Fls.
Fixed intense magenta. Buds sticky
Limestone chips. Mex Hwy 53
(7) between Monterrey and Montclova
16.3 mi. NW of Monterrey, Nuevo
Leon.

Oct 10, 1974

Boerhavia coccinea Mill.

74154 [Mirabilis]
Fixed
Sprawling perennial widely branched. Leaves tending to be purplish above. Fls. deep maroon. Mex Hwy 53, just N of Hidalgo, base of road cut.
Oct 10, 1974
(9)

74155 Heliotropium
Fls. white with yellow center. Branches ascending. Near Mex Hwy 53, 10 miles ~~NE~~ NW of Hidalgo, Nuevo Leon
Oct 10, 1974
(5)

74156 Menodora scabra Engl. ex Gray
Low shrub up to 1 ft. high. Fls. yellow. Limestone chip. Mex Hwy 53, 55.2 mi. NW ~~from~~ the Hwy 53 turnoff in Monterrey. ~~Nuevo Leon~~ ~~Coah.~~ Nuevo Leon Oct 10, 1974
(9)
Det ~~Guy Nesom~~ Billie Turner

Tiquilia mexicana (S. Wats.) A. Richards.
74157 ~~Coldenia~~
Prostrate and shrubby, branches
(6) very brittle. Fls. magenta.
Same as 74156. det Guy Nesom

gracilis Ilt.
74158 Nerisyrenia ~~Castellanos~~
Plants perennial with erect
Fixed stems. Sub-shrubby at base
Leaves linear, entire. Fls.
(17) white, fading lavender. Fragrant
~~Siliques~~ Abundant on
gypsum flat. Leaves fleshy.
along Mex Hwy 53, 65.7 mi. ~~NE~~ NW of
~~Monterrey~~ Hwy 53 turnoff in
across from Microondas Siglo XX Monterrey, ~~N.L.~~ Nuevo Leon. Clumps up to 1 ft.
in diameter. ~~Oct~~. Oct 10, 1974
n = 9.

gracilis Ilt.
74159 Nerisyrenia ~~Castellanos~~
Siliques curved upward
with a tendency to be
distorted, 67.7 mi. NW of
(8) turnoff. otherwise as 74158

74160 Nerisyrenia castillonii Roll
Perennial with erect stems.
Fls. white with petals and
sepals spreading, fading
lavender. Leaves variable
Fixed from entire to toothed. Siliques
curved upward. Whitish
gravel near Mex Hwy 30
(7) between Monclova and Cuatro
Cienegas. 41 mi W of Mon-
clova. Coahuila.
Oct 11, 1974
n = 20±1

74161 Nerisyrenia castillonii Roll.
Perennial. Fls. white. Stems
few. Leaves varying from
entire to somewhat toothed
Similar to no. 74160.
(10) Near canal, S of gypsum
processing plant and gypsum
removal area. Off Mex. Hwy
30, 2 mi. ~~from~~ SW of Cuatro
Cienegas. Coah.
Oct 11, 1974

74162 Nerisyrenia incana Roll.
Hemispherical, gray sub-shrub, up to 1.5 ft. high and 1.3 ft. across. Fls. white, often abortive. Buds often abnormal. Abundant. Chalky flat with a gentle slope. Between Mex Hwy 30 and dunes west of highway. Ten miles SW of Cuatro Cienegas on road to San Pedro. Coahuila. Type locality. Leaves fleshy and branches & leaves very brittle. Oct 11, 1974

Fixed in FAA

(20)

n = 10

74163 Sericodes greggii Gray
Gray, intricately branched, spiny shrub. Fls. lemon yellow. Sparsely flowering and fruiting. Larrea desert. 43.5 mi. W. of Monclova near Mex Hwy 30. Between ~~Monclova~~ Cuatro Cienegas & Monclova, Coah.
Oct 11, 1974

(8)

74164 Nerisyrenia camporum (Gray) Greene
Fls. white. Some buds ~~have~~ abnormal. Sparse in roadside gravel. 2 mi. S. of Ocampo Coahuila.
(5)
Oct 12, 1974

74165 Nerisyrenia incana Roll.
Fixed
Fls. white, leaves entire, incanous, abundant along roadside, Mex Hwy 30. 4 mi. SW of Cuatro Cienegas, growing near 74166 but readily distinguished on basis of habit & leaves. Coahuila Gypsum flat
(5)
n=10
Oct 12, 1974

74166 Nerisyrenia castillonii Roll.
Fixed
Perennial, Fls. white to lavender. Plants not hemispherical as in N. incana. Leaves greenish, shallowly toothed and acute. Roadside, Mex Hwy $\overset{3}{4}$0. 4 mi. SW of Cuatro Cienegas. Gypsum flat. Growing with 74165. Coahuila. Leaves fleshy. There is no evidence of hybridization between nos. 74165 & 74166
(10)
n=18
Oct 12, 1974

Note: There is a strong possibility that seeds of N. incana have been dropped from trucks hauling gypsum from the Laguna Grande area.

74167 Nerisyrenia incana x ?
7 sped Sprangly ~~shrub~~ sub-shrub, Petals white above, lavender below in throat. Roadside, Leaf samples taken. Along
(10) Mex Hwy 30, 42 mi. SW of Cuatro Cienegas -
Oct 12, 1974

n = 10

74168 Nerisyrenia incana x ?
Leaves fleshy, nearly entire ~~to~~ occasionally few toothed. At El Hundido, 39 mi SW of Cuatro Cienegas, Mex Hwy 30. Coahuila. Gypseous soil.
Sterile material Oct 12, 1974

74169 Nerisyrenia castillonii Roll.
Fls. pale lavender to white.
Sprawling sub-shrub. Leaves
toothed, greenish. Siliques
curved upward. Roadside,
with 74170. Mex Hwy 30,
71 mi. SW of Cuatro Cienegas
on road between Cuatro Cienegas
and San Pedro. Coahuila.
Gypsum flat. Oct 12, 1974

FAA

(14)

74170 Nerisyrenia incana angustata* ~~E~~?
Compact silvery shrub.
Leaves fleshy. Buds pointed
Growing with 74169. Same
locality & date as 74169.
Fls. white

(7)

74171 Parthenium incanum H.B.K.
Possible hybrid. 17 mi.
W. of Mapimi, Durango.
along Mex Rte 30 c
Oct 13, 1974

(11)

74172 Parthenium argentatum Gray
Possible hybrid. Same as
⑤ 74171

74173 Parthenium argentatum Gray
Non-hybrid material. Same
⑥ as 74171

74174 ~~[illegible]~~ Heliotropium greggii A. Gray
Fls. white, sandy soil near
Mex. Hwy 49, 10 mi. S of Escalon,
near Est. Zavaliza ~~[illegible]~~, Chihuahua
⑥ Det guy Nesom
Oct 14, 1974

74175 Lepidium virginicum L. s.l.
Near dammed up water.
30 m. S. of Jimenez on Mex
① Hwy 49. Chihuahua
Oct 14, 1974

74176 Parthenium bipinnatifidum (Ort.) Roll.
Abundant weed, roadsides
and desert. All along
Hwy 49. Chihuahua. 35 mi
S. of Jimenez
Oct 14, 1974

(Ortega) Rollins

74177 Parthenium bipinnatifidum (Ortega)
Roadside and open desert.
Very abundant. Along Mex
(6) Hwy. 45, 10 mi. S. of Camargo,
Chihuahua
Oct. 14. 1974

74178 Nerisyrenia camporum (Gray) Greene
Flo. white, fading lavender
(14) Sprangly perennial growing
in hard gypsum. Pedicels
arcuate. Growing often under
thorny bushes and shrubs. At
Baños Thermales, 3 mi. W
of Camargo, Chihuahua.
Oct 14, 1974

74179 Nerisyrenia camporum (Gray) Greene
[illegible] Loose perennial.
Flo. white. Infructescence
(4) relatively short. Stigmas
scarcely elongated. Road
cuts, on pure gypsum
banks. 7 mi SW of Camargo,
Chihuahua.
Oct 15, 1974

Boerhavia anisophylla Torr.

74180 [Mirabilis]
Plants very sticky. Fls. deep
magenta. In chalky ground,
steep hillside. Near Lake Colina,
⑤ 19 mi. SW of Camargo. Chihuahua
Oct 15, 1974

74181 Nerisyrenia camporum (Gray) Greene
Fls. white. Petals and sepals
spreading. Steep gypsum
⑪ Cliffs, ca. 10 mi. SW of Camargo
Chihuahua. Leaves not fleshy
Oct 15, 1974

74182 Pennellia micrantha = P. robinsonii n. sp.
Perennial with one to
several stems. Branching
above. Sepals dark purple.
③ Petals purple tipped, barely
exceeding the sepals. Fls.
scarcely opening. Siliques
strictly erect. 21 mi S of
Chihuahua. Steep granitic
[illegible] rocky hillside
Infrequent.
Oct. 15. 1974

Cyphomeris gypsophiloides (Mart. + Gal.) Standl.

74183 [Mirabilis ?]
Brittle perennial with widely spreading stems. Fls. magenta. Upper portion of plant sticky. Whitish gravel on hillside. 9 mi. SE of Chihuahua along road to
(7)
Oct 16, 1974

74184 Eriogonum ξ sp.
Fls. deep red. Widely divaricately branched. Shrubby hillside in mountains. 16 mi. SE of Chihuahua
(6)
det. Guy Nesom Oct 16, 1974

74185 Parthenium confertum Gray
All leaves bi-pinnately lobed. Apparently perennial. Same as 74184
(5)

74186 Thelypodiopsis linearifolia (Gray) Al-Shehbaz
Perennial. Fls. lavender, including
sepals. Petals somewhat crisped.
Foliage vivid green. Pedicles
⑪ and siliques divaricate.
Protection of spiney shrubs on
steep hillside in mountains
17 mi. S.E. of Chihuahua
Oct 16, 1974

Allionia incarnata L.
74187 ~~[Mirabilis]~~
Fls. magenta, petals tending
to be reflexed. Rocky,
⑥ sparsily shrubbed area along
Mex Hwy 45, 6.4 mi. N. of
Chihuahua.
Oct 19, 1974

74188 Thelypodiopsis linearifolia (Gray) Al-Shehbaz
Perennial. Stems one to several,
Pedicels & siliques widely
spreading. Fls. deep lavender.
⑧ Steep rocky hillside, among
the rocks. Along Mex. Hwy
45, 14.4 mi. N of Chihuahua
Oct 19, 1974

Longula texensis (Berk. & Curt.) Zeller

74189 Fungus Det. R. L. Gilbertson
Spores black. Open flat on soil. 44.9 mi. N. of Chihuahua on Mex Hwy 45
Oct 19, 1974

74190 Nerisyrenia camporum (Gray) Greene
Perennial. ~~Fl~~. Woody at base. Flo. white, petals & sepals spreading. Leaves variable from fairly narrow and nearly entire to broader & somewhat toothed.
Fixed Roadside. Along Mex. Hwy 45, 132 mi N. of Chihuahua
⑦
~~74191~~ Oct 19, 1974
n = 18

74191 Lepidium alyssoides A. Gray var. mexicana Rollins
Very woody at base. Flo. white. Leaves vivid green. Same as 74190.
③

var. mexicana Rollins
74192 Lepidium alyssoides A. Gray
Perennial. Fls. white, leaves erect, nearly overtopping the infructescence. Sandy area, near Mex Hwy 45,
⑥ mi S of Ciudad Jimenez, Chih.
Oct 19, 1974

74193 Nerisyrenia camporum (Gray) Greene
Fls. white, fading lavender. Siliques erect, scarcely curved. Petals & sepals widely spreading
④ Perennial. Sandy gravel along Interstate Hwy 10, 8 mi. (S) of the Texas - New Mexico border.
[El Paso (?) Co. Texas]
Oct 20, 1974

74194 Nerisyrenia camporum (Gray) Greene
Petals & sepals widely spreading.
Fixed Petals lavender. Sepals paired.
Sandy soil. Interstate Hwy. 10, 3 mi. W. of Las Cruces,
~~⑱~~ Doña Ana Co. New Mexico
① Oct 20, 1974
n=18

al Shehbaz

74195 Thelypodiopsis linearifolia (Gray)
Fls. Magenta. ~~P~~ Pedicels
divaricate, siliques
ascending. Bank along
④ roadside, Coronado Nat'l
Forest, 7 mi. W. of Rustlers
Park, ~~Chiricahua~~ Chiricahua
Mountains. Stems ca 3 ft. long.
Cochise Co. Ariz. Oct 21, 1974

74196 Thelypodiopsis linearifolia
Fls. unusually large, Petals
Fixed tending to be slightly reflexed
Single stem. leaves greyish
green. Fls. lavender including
buds. 7 1/2 mi. SE of Ariz. Hwy
181 along road in Pinery Canyon to Rustlers
Park, Coronado National
Forest. Cochise Co. Ariz.
Oct 21, 1974
Chiricahua mts.

74197 Pennellia
Siliques pendant, second. Pedicels arching downward, ~~[illegible]~~ Biennial.
Rocky slope, ~~Rustlers~~ in pine forest, Rustler's Park, Coronado National Forest, Cochise Co, Arizona

(3+17)

Oct 21, 1974

74198 Thelypodiopsis linearifolia (Gray) Al Shehbaz
Fls. lavender. Siliques divaricately ascending. Roadside 1 mi. N~~E~~ of Rustler's Park, Coronado National Forest, Cochise Co. Arizona

③

Oct 21, 1974

74199 Thelypodiopsis linearifolia (Gray) Al-Shehbaz
Siliques divaricately ascending to widely spreading, bank of roadside

⑪

2.4. miles down Pinery Canyon from Pinery Campground. Coronado National Forest, Chiricahua Mts.
Nov. 22, 1974
with Charles T. Mason, Jr, George B. Cummins, Arthur and Barbara and Martin

74200 Arabis tricornuta
siliques flat, widely spreading to
slightly pendant, blunt
roadside bank - as 74199
③ basal rosettes from area above
bank in oak-pine forest.
Nov, 22

74201 Arabis tricornuta
Steep rocky area, pine forested
area
⑨ Rustlers park, Chiricauhua Mts.
ca. 8000 ft.
nov. 22 - otherwise as 74199
Siliques flat, blunt, widely
spreading

74202 Pennellia longifolia (Benth.) Rollins
Siliques pendant, ~~somewhat flattened~~
~~or~~ terete, steep rocky slope
② Rustlers park - as 74201

may be mixture

4
7~~1~~203 Penellia ?

① Rucker Canyon, about 1 mile above campground, ca 2 miles east of Rucker Lake, Chiricahua mts.,

Siliques erect.

Nov. 22, '74 — otherwise as 74199

4
7~~2~~04 Thelypodiopsis
1
Siliques ascending

② Rocky area near dam below Rucker Lake, Rucker Canyon

as 74203

74205 Lesquerella fendleri
Limestone gravel near Pump Canyon, near Langtry
Type ~~Terrell Co.~~ Fls. yellow
pedicels erect. Perennial.
Val Verde Co. Texas

⑤ Dec. 7. 1974

74206 ! Nerisyrenia camporum (Gray) Greene
Fls. white. Siliques flat &
contrary to the septum.
Pedicel portion widely
spreading. Stigma arrow-shaped.
Limey gravel along roadside
near Mex Hwy 57, 54.9 mi
N. of Monclova. Coahuila
Dec. 8. 1974
n = 18

Fixed

⑥

74207 Lesquerella fendleri
Fls. yellow, siliques glabrous
Limey gravel ~~at~~ near Hwy 57,
51.1 mi N. of Monclova, Coahuila
Dec 8. 1974

Fixed

③

74208 ! Nerisyrenia camporum (Gray) Greene
Fls. purplish. Perennial,
woody at base. Leaves
all toothed. Pedicels
widely spreading, ascending.
Siliques flattened contrary
to septum. Style stout.
Stigma arrow-shaped.
Limey gravel near Mex Hwy
57, 25 mi N of Monclova, Coah.
Dec. 8. 1974

⑩

74209 Nerisyrenia castillonii Roll.
Siliques curved upwards and
are terete. Pedicels are
recurved. Leaves vary from
nearly entire to dentate. Buds
(11) infested by insect parasite.
Gypsum area, near Hwy 57,
18.4 mi. N of Monclova, Coah.
Dec. 8, 1974

74210 Sisymbrium irio L.
Building site, center of
(5) Monclova, Coahuila. Fls. yellow
Dec 8, 1974

74211 ! Nerisyrenia camporum (Gray) Greene.
Fls. white to lavender, fragrant. Perennial.
Stigma arrow shaped. Siliques
flattened contrary to septum.
Pedicels widely spreading
straight to slightly curved.
Siliques mostly straight. In
gravel near Hwy 30, 7 mi E of
Cuatro Cienegas, Coahuila.
Dec. 9, 1974

74212 Nerisyrenia incana Roll.

Fixed

Fls. white, not fragrant. Clumps, up to 1 ft. in diameter or more. Woody at base. Perennial. Numerous aborted buds. ~~Ste~~ Plants very brittle. Roadside, gypsum. Near Mex Hwy 30, 3 mi. W of Cuatro Cienegas, Coah.

(10)

Dec. 9, 1974

n = 10

74213 Nerisyrenia incana Roll.

Fls. white to pale lavender. Stigma arrowshaped. Pedicels straight and divaricately ascending. Leaves entire to shallowly dentate. Plants up to 2 ft. in dia. Roadside near Hwy 30 in gypsum area. 9 mi W of Cuatro Cienegas, Coah.

(13)

Dec. 9, 1974

~~74214 Nerisyrenia~~

74214 Nerisyrenia camporum (Gray) Greene
Fls. white, fragrant. Not in clumps, plants less than 6" in dia. Siliques ~~flat and co~~ flattened contrary to the ~~parallel~~ septum, ~~Curved~~ curved upward. Pedicels recurved. Leaves dentate. Stigma rounded at apex. ~~Habitat same~~ Same location as 74213.

(5)

Dec. 9, 1974

74215 Nerisyrenia incana Fls. white, not fragrant.
Sparingly fruiting, Stigma more or less arrowshaped. Leaves entire, shrubby at base up to 1½ ft. in diameter. Gypsum dune area. 10 mi. W of Cuatro Cienegas, 1 mi. off Hwy 30. Coahuila.

(12)

Dec. 9, 1974

74216 Sericodes greggii Gray
Gray shrub up to 2 ft. high
Sparingly fruited. Off Hwy
④ 30, 10 mi E of Cuatro Cienegas,
Coah.
Dec. 9, 1974

74217 Nerisyrenia ~~castillonii~~ gracilis Johnst.;
Plants damaged by freeze.
Same site as 74158. 44 mi.
② S. of Monclova. along Hwy 53.
Nuevo Leon Dec. 10, 1974

74218 ! Nerisyrenia camporum (Gray) Greene
Shrubby at base. Fls.
Fixed white, fragrant. Siliques
slightly curved upward,
somewhat distanted. Clumps
up to 1 ft. in diameter. Along
Gypsum area - Hwy 57, 13 N. of Monclova,
Coah.
⑤ n=18 Dec. 10, 1974

castillonii Roll.

74219 Nerisyrenia castillonii Roll. Shrubby at base.
Fixed Siliques terete, may be same as 74218. Gypsum area, roadside, Hwy 57, 11 mi N
(9) of Monclova, Coah.
Dec. 10, 1974
n = 20

(Gray) Greene

74220 Nerisyrenia camporum (Gray) Greene Abundant
Fixed Fls. white, fading lavender, fragrant. Stigmas blunt. Siliques flattened contrary to the septum, curved upward. Plants brittle. Probably perennial.
(16) Leaves sharply dentate. Pedicels recurved. Gypsum area, near Hwy 30, 28 mi. SSW of Cuatro Cienegas, Coah.
n=9
Dec. 11, 1974

74221 Nerisyrenia incana X ? )
Sub-shrub with whitish
Fixed leaves, up to 1 1/2 ft. in dia. Compact in the open desert,
(10) sprawly along roadside. Fls white, not fragrant. Near Hwy
n=10 30, 33 mi SSW of Cuatro Cienegas. Coah. Gypsum area. Plants

abundant but very few in flower.

Dec 11, 1974

74222 Nerisyrenia castillonii Roll.
Low sprangly sub-shrub. Fls white, not fragrant. Siliques curved upwards, slightly flattened contrary to septum to terete. Foliage gray, ~~so~~ mostly deeply toothed, occasionally entire. Same area as 74221.

⑤

Dec 11, 1974

74223 Sericodes greggii Gray
Gray spiny shrub. Same as 74221. Abundant on gypsum

Dec 11, 1974

!

74224 Nerisyrenia camporum (Gray) Greene

Fixed Fls. white, fading lavender, fragrant. Foliage grayish Leaves dentate. Roadside gravel in gypsum area. Siliques flattened contrary to septum, curved upward. Near Mex Hwy 30, 34 mi. SSW of Cuatro Cienegas, Coah.

(2)

n=9 Dec. 11, 1974

74225 Nerisyrenia incana X ?

Fixed Fls. white, ~~not~~ faintly fragrant – some flowers fragrant, some not. Probable hybrid population. Siliques vary from narrow to broad and typical of N. *incana*. Sub-shrubby. Clumps up to 3 ft. in diameter. Leaves from entire to ~~to~~ definitely toothed. ~~Petioles~~ Pedicels stout ~~and~~ divaricate & ascending. Gypsum area. Abundant. Near Mex Hwy 30, 35 mi SSW of Cuatro Cienegas. Coah

(16)

Dec 11, 1974

n=10

74226 ! Nerisyrenia camporum (Gray) Greene
This plant found with
population of 74225. Siliques
curved upward, pedicels
strongly recurved. Possible
source of hybridization.

(1)

74227 ! Nerisyrenia camporum (Gray) Greene
Fls. white. fading lavender.
Fragrant. Annual or biennial
(probably not perennial).
Siliques flattened contrary
to septum, curved upward
Pedicels recurved. Abundant
Gypsum area in ~~Sandy~~
light soil. Along Hwy 30, 45
mi. SSW of Cuatro Cienegas,
Coah.

Seeds collected

Dec 11, 1974

!
74228 Nerisyrenia camporum (Gray) Greene
Fls. white, fragrant. Foliage ~~whitish~~ gray. Siliques flattened contrary to the septum. Pedicels strongly recurved. Annual or biennial. Gypsum area. Along Hwy 30, 48 mi. S.S.W. of Cuatro Cienegas, Coah.
Dec. 11, 1974

!
74229 Nerisyrenia camporum (Gray) Greene
Annual or biennial. Fls. white, faintly fragrant. Foliage grayish. Siliques flattened contrary to septum, curved upwards. Pedicels recurved. Gypsum area. Along Hwy 30. 59 mi. SSW of Cuatro Cienegas. Coah.
④
Dec 11, 1974

74230 Nerisyrenia castillonii Roll.
Sprangly perennial. Leaves grayish, variable from entire to toothed. Siliques terete. Curved upward. Pedicels slightly recurved. Gypsum
Seeds collected
⑨

area. Along Hwy 30, 71 mi
SSW of Cuatro Cienegas,
Coah. Fls. white, not fragrant
Dec. 11, 1974

74231 Nerisyrenia incana X ?
Fixed Fls. white, not fragrant.
Pedicels divaricately ascending.
Hemispherical sub-shrub up
to 2 ft. in diameter. Gypsum
(14) area, roadside along Hwy 30,
73 mi SSW of Cuatro Cienegas
Coah.
n=10 Dec. 11, 1974

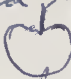
74232 Nerisyrenia camporum (Gray) Greene
Fls. white, fragrant. Siliques
flattened contrary to septum,
curved upward. Pedicels
(10) recurved. Annual or
biennial. Gypsum area, 40
mi. SE of Jiminez near Hwy
49, Chihuahua.
Dec 12, 1974

~~[illegible]~~

var. mexicana Rollins

14233 Lepidium alyssoides A. Gray
Strong perennial, clumps up to 1 ft. in diameter.
Heavy gypsum-like soil
Leaf cutting variable from nearly entire to bi-pinnate.
(7) Off Rt Hwy 45, mi S of Juarez, between Juarez and Ahumada, Chih.
Dec. 13, 1974

14234 Lyrocarpa coulteri Hook. & Harv.

(15) petals erect, linear to awl shaped, brownish, calyx closed; siliques variable from elongated lyre-shaped to shorter and . sprangely herb with a woody base and older decumbent stems; bark greyish, shade of arroyo banks and small trees, eaten by livestock; western base of Ajo Mountains, southwestern Pima County, Arizona
Dec. 21, 1974.

14235 Lesquerella purpurea
Fls. white to light lavender
Basal leaves repand. Plants
~~abundant~~ perennial, abundant.
⑦ Steep slope. ~~Sol~~ Petals
emarginate. ~~Steep slope~~
Sabino Canyon, Santa Catalina
Mts. Coronado National Forest,
Pima County, Arizona
Dec. 22, 1974

ler
uds
iT.

x
y,

# 1975

7501 Arabis glabra (L.) Bernh.
⑤ steep bank near Cambridge Electronic
accelerator, Cambridge, Middlesex Co.,
Mass. May 28, 1975

7502 Cardamine dortmannii ?
Fls. white, perennial, in wet area
near standing water; Krestoviy Pass,
between Tbilisi and Kazbegi,
Caucusus Mts., Georgia, U.S.S.R.
July 13, 1975.

Caucusus Krestoviy

7503 Cardamine
Fls. white, roadside near mineral
spring, between Krestoviy Pass and
Kobi, Caucusus Mts., Georgia,
U.S.S.R. July 13, 1975

7504 Draba bryoides
Hemispherical mound about 6 inches across, rock crevice; lower slope of Kura Mountain, above Kasbegi, Caucasus Mts., Georgia, U.S.S.R.
alt. 2000 m. July 14, 1975

7505 Erysimum
Fls. yellow, grazed slope, as 7504

7506 Bunias
Fls. yellow, rocky scree
as 7504

7507 Draba
Fls. yellow, grazed slope, as 7504

7508 Descurainia sophia (L.) Webb
as 7504

7509 Rorippa
Fls. yellow, in coarse gravel along stream, near Natzan Spring, south of Kazbegi, Caucasus Mts., Georgia, U.S.S.R., July 14, 1975

7510

Fls. white, lower slope of Kazbegi Mt. between Gergeti and the Orteveri Glacier, Caucasus Mts., Georgia, U.S.S.R. July 15, 1975.

7511 Draba
Fls. yellow -- as 7510

7512 Draba
Fls. white -- as 7510

7513 Draba
as 7510

7514 Alyssum
Annual, open disturbed soil, near the Armkhi River below the town of Chmi, Caucasus Mts., North Ossetian, A.S.S.R.
July 16, 1975

7515 Erysimum substrigosum ?
perennial, Fls. yellow
as 7514

7516 Lepidium
Annual, as 7514

7517 Erucastrum
Fls. clear yellow, as 7514

(8029)
7519 Draba
Fls. white, on calcareous rocks, near mineral spring, between Krestoviy pass and Kobi, Caucasus Mts., Georgia, U.S.S.R. July 17, 1975

10/12 135
95 40 miles

12-13 192.7- Hyperdeum

12/9 ~~374 - 1st Nemisquenia~~
331 - Cuatro Cienegas
~~335 - 2nd Nemisquenia~~

Remegios
1 [illegible] Cuatro
Cienegas

12-10 412. Ir. Monclova
456. N. Castellani
506. Ir Monclova N
517. Neu. - fixed
519. Ind.

627
592
35

663
592
71

.48
.11

456
412
44

519
506

---

1.20
12-11 Cuatro Cinegas 43592

~~627 - #74225~~
~~637 # 742267~~
~~640 # 74229~~
651 # 74229

10-71 152 Rr. Willcox
215 - Philipp. 7 1/2 mi S of E
Ariz. Hwy 181

12/8 ~~3221.8 - [illegible]~~
~~3225.6 - [illegible]~~
~~241.7 - [illegible]~~
255.3 - "
276.7 - Monclova

276.7
~~255.3~~
~~18.4~~

276.7
225.6
51.1

276.7
241.7
~~35 0~~

276.7
221.8
54.9

10-15 484 Leaving Camargo
91.3 - 1st N. locality SW
503
518 - 2nd N

601.6 - Pennellia
622.6

---

10-16 626 Lv. Chih.-
637 Mirabilis
642
643

642
626
16

---

10-19 672.6 - Beginning mileage
679.0 - Mirabilis
687.0 - Thelypodiopsis
717.5 - Fungi
804.5
836.6 - Lepidium

626.8

206
198
7

10-12 863.3 – turnoff from Monclova
to Cuatro Cienegas
913.3 – Ocampo turnoff
941.4 – Nerisyrenia
43.5
53.5 – leaving Ocampo
.82.

El Hundido
39 mi SW of
C.C.

---

10-13 172.0 – leaving Mapimi jct
RB 49 + 30
202. hybrid
219. Mapimi

---

10-14 368.9 – ~~Halimolobos~~ Helio.
384 Lepidium
[illegible]
6 mi from
hotel

478 – Jiminez

10-11 702.0 - leaving hotel
743.- - Nenegronia
753.5 - leaving Q.C.
~~774.5~~ Jct. QC & Ocampo rd.
779.3
781.4 - Nenis.
809 leaving QC
817 - Sericodle
859.5 - Moncloa

717.5
672.6
44.9

859.5
817
43.5

378
368

678.0
672

384
6
378
368

428
378
50

687.-
672.6
14.4

804.5
672.6
132

267
259
8

10-8 192 - Starting
247.8 - Nieves turnoff
4
259
267 - Synthlipsis
342.6 - Bush w. red fruit
near K135
345.4 - near K139 Orange
berries
397.4 - Cibolarium
477. - Saltillo

---

10-9 485 - Leaving Saltillo
513 Mariposa
526.6 - turned around
20 mi. 535.4 - turned back.
46.2

---

10-10 588.5 - Rte. 53 turnoff
601.8 - Mina.
643.7 -
653.2 - Castillon

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653.2
588.5
65.7

10-2 481.7 - Mirabilis
497. - leaning tower
504. Heliotropium

---

10-3 524. - leaning Lesq.
47.8 - Microwave tower

---

10-4 Turnoff - 670
680 - 1st collect.

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10-6 836 lv. S.L.P.
869 - Lesq.
979 - Lesq. schaffneri

$$\begin{array}{r} 515.0 \\ 485 \\ \hline 30 \end{array}$$

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10-7 26062 Lesq. argyraea
26066 Tradescantia
075.5 Halimolobus &
Lepidium

$$\begin{array}{r} 407.0 \\ 397.4 \\ \hline 9.6 \end{array}$$

088

$$\begin{array}{r} 6\overset{3}{\cancel{4}}3.7 \\ 585.5 \\ \hline 55.2 \end{array} \qquad \begin{array}{r} 601.8 \\ 585.5 \\ \hline 16.3 \end{array}$$

$$\begin{array}{r} 509 \\ 485 \\ \hline 24 \end{array} \qquad \begin{array}{r} 342.6 \\ \cancel{247.8} \\ 259 \\ \hline 93.6 \end{array}$$

Zavalza

9-28 Saltillo 881
San Antonio 916.2
924.7
926.7 Sinapis
928. Poa
1 mi SE of La Mesa 930. Lesq.
963. L. fendleri
Parthenium

986-Saltillo 965.6-Purple flower

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9-29 988-leaving Saltillo
1017- Aster etc.

624 - Nerisyrenia

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9-30 Starting mileage 236

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10-1 Starting mileage 308
Pinos Turnoff 336
Halimolobus 361.
Gilia 366
Lepidium 374
Mint 446
State line 459

504 ~~39103~~
489

924.7
916.2
8.5

69
36

3.1

89.4
79

457 from S. Pedro

986
963
23

49
13
36

47.8
50
25.8
− 5.5
8.3

Road near Perdicca
L hand side

1017
988
29

~~Est. Vega
866 at tower~~

266
259
7

~~750.4~~

~~Microondas~~
870. at bottom

1024
988
36

~~812.7~~

88
75
13

75
62
13

262
336
26

75
66
9

~~878.0~~

~~877~~

374
308
66

361
336
25

13
49
62

59
46
13